TOSHIBA

Storage Device Division www.toshiba-europe.com/storage

Discover Storage

MK1031GAS
100GB
2.5-inch HDD

Features Include:
Large Capacity for Maximum Storage Requirements
Lightweight
Large Data Buffer
50GB per Platter Technology at 9.5mm
High-operating Shock 325G Max
Low Power Consumption
Improved Noise Reduction Technology

Toshiba Storage Device Division leads the market in the development, design and manufacturing of DVD-RAM, DVD-ROM, Combination drives and PC Card & mobile 0.85-inch, 1.8-inch and 2.5-inch hard disk drives. SDD markets high-quality peripherals to original equipment manufacturers, value-added resellers, value-added dealers, system integrators and distributors in Europe. Inherent in the company's product line is high-quality engineering and manufacturing which has established Toshiba products as worldwide leaders.

Data Storage Capacity	
Per Drive, Formatted	100GB
Number of Platters	2
Number of Heads	4
Bytes / Sector	512
Rotational Speed (rpm)	4,200rpm
Data Transfer Rate:	100MB/sec
Average Seek Time:	
Track-to-Track	2ms
Average	12ms
Maximum	22ms
Interface	
Type	ATA-2/3/4/5/6
Buffer memory (KB)	8MB
Nominal Power Requirements:	
Voltage (V) Supply	+5V(±5%)
Sleep (Watts)	0.1watts (typ)
Standby (Watts)	0.18watts (typ)
Read (Watts)	2.0watts (typ)
Write (Watts)	2.0watts (typ)
Seeking (Watts)	2.2watts (typ)
Physical & Environmental Specifications	
Height	0.37" (9.5mm)
Width	2.75" (69.85mm)
Depth	3.94" (100mm)
Weight (gram)	3.46 oz (98g)
Ambient Temperature deg C	
Operating	From 5 to 55°C
Non-Operating	From -20 to 60°C
Shock	
Operating	325g
Non-Operating	850g Max
Acoustic Noise	21-25dB
Reliability Characteristics	
MTTF	300 000 h
Error Rates	
Unrecoverable	1 in 10^13 bits
Seek	1 in 10^6 seeks

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